

WPI / Thomson

F232

AN - 2002-362397 [39]

AP - WO2000CN00286 20000920; AU20000075035 20000920; CN20008015739 20000920;
[Based on WO224191 A 00000000]

CN - RA00C8-K RA00C8-M RA00C8-T RA03SC-K RA03SC-M RA03SC-T RA09LE-K
RA09LE-M RA09LE-T RA04OA-K RA04OA-M RA04OA-T RA04OD-K RA04OD-M
RA04OD-T R16255-K R16255-M R16255-T RA01ZP-K RA01ZP-M RA01ZP-T
RA3YW9-K RA3YW9-M RA3YW9-T R04093-K R04093-M R04093-T R04742-K
R04742-M R04742-T R22950-K R22950-M R22950-T R11266-K R11266-M
R11266-T RA717K-K RA717K-M RA717K-T R00113-K R00113-M R00113-T
R04592-K R04592-M R04592-T R10186-K R10186-M R10186-T R00526-K
R00526-M R00526-T R15927-K R15927-M R15927-T R00096-K R00096-M
R00096-T R01436-K R01436-M R01436-T R18215-K R18215-M R18215-T
R19253-K R19253-M R19253-T R07294-K R07294-M R07294-T R00297-K
R00297-M R00297-T RA717O-K RA717O-M RA717O-T R03026-K R03026-M
R03026-T R01697-K R01697-M R01697-T R19473-K R19473-M R19473-T
RA717P-K RA717P-M RA717P-T R00450-K R00450-M R00450-T R09364-K
R09364-M R09364-T RA0IF2-K RA0IF2-M RA0IF2-T RA1BII-K RA1BII-M
RA1BII-T RA2P3C-K RA2P3C-M RA2P3C-T R00052-K R00052-M R00052-T
RA2HIU-K RA2HIU-M RA2HIU-T R00184-K R00184-M R00184-T R10162-K
R10162-M R10162-T R21205-K R21205-M R21205-T R00048-K R00048-M
R00048-T R14840-K R14840-M R14840-T R22964-K R22964-M R22964-T
R12281-K R12281-M R12281-T R04177-K R04177-M R04177-T

CPY - YONG-N; YONG-N

DC - B05

DCR - [1] 8685 CL; 135199 CL; 131946 CL; 539502 CL; 490 CL; 101053 CL; 3425
CL; 102110 CL; 98348 CL; 134296 CL; 102086 CL; 882 CL; 3295 CL; 98350
CL; 107348 CL; 134347 CL; 351494 CL; 8699 CL; 78304 CL; 101240 CL;
330934 CL; 87982 CL; 104157 CL; 103865 CL; 111066 CL; 94314 CL; 89917
CL; 184587 CL; 97954 CL; 97961 CL; 97940 CL; 111285 CL; 97925 CL;
391740 CL; 92043 CL; 109540 CL

DR - 0048-U 0052-U 0096-U 0113-U 0184-U 0297-U 0450-U 0526-U 1436-U 1661-U
1697-U

DS - AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL
OA PT SD SE SL SZ TZ UG ZW

DW - 200239; 200342

IC - A61K31/198

IN - CHENG T T S; CHIOU G C Y; QIU C; ZHENG T

LNKA- 2002-102624

M1 - [28] M431 M782 M905 P433 P517 P922; RA00C8-K RA00C8-M RA00C8-T
- [29] M431 M782 M905 P433 P517 P922; RA03SC-K RA03SC-M RA03SC-T
- [30] M431 M782 M905 P433 P517 P922; RA09LE-K RA09LE-M RA09LE-T
- [31] M431 M782 M905 P433 P517 P922; RA04OA-K RA04OA-M RA04OA-T
- [32] M431 M782 M905 P433 P517 P922; RA04OD-K RA04OD-M RA04OD-T
- [33] M431 M782 M905 P433 P517 P922; R16255-K R16255-M R16255-T
RA01ZP-K RA01ZP-M RA01ZP-T
- [34] M423 M431 M782 M905 P433 P517 P922; RA3YW9-K RA3YW9-M RA3YW9-T

M2 - [01] H1 H100 H181 J0 J011 J1 J171 K0 L2 L250 M280 M314 M321 M332 M343
M349 M381 M391 M416 M431 M620 M782 M800 M904 M905 M910 P433 P517 P518
P617 P922; R04093-K R04093-M R04093-T R04742-K R04742-M R04742-T
- [02] H1 H100 H181 J0 J011 J1 J171 K0 K8 K840 L2 L250 M280 M313 M321
M332 M343 M349 M381 M391 M416 M431 M620 M782 M904 M905 P433 P517 P518

P617 P922; R22950-K R22950-M R22950-T

- [03] G010 G100 J0 J012 J2 J271 J3 J331 K0 L2 L250 M210 M212 M272 M281
M314 M321 M332 M343 M349 M381 M391 M414 M431 M510 M520 M531 M540 M782
M904 M905 P433 P517 P518 P617 P922; R11266-K R11266-M R11266-T
- [04] G010 G019 G100 J0 J014 J2 J272 J3 J332 K0 L2 L250 L299 M280 M312
M314 M321 M322 M332 M342 M343 M349 M381 M383 M391 M392 M414 M431 M510
M520 M532 M540 M782 M904 M905 P433 P517 P518 P617 P922; RA717K-K
RA717K-M RA717K-T
- [05] H4 H403 H483 H8 M280 M313 M321 M332 M343 M383 M391 M416 M431 M620
M782 M904 M905 M910 P433 P517 P518 P617 P922; R00113-K R00113-M
R00113-T
- [06] F011 F012 F013 F014 F433 P541 H1 H101 H123 H2 H201 K0 K7 K742 L9
L910 M280 M320 M413 M431 M510 M522 M530 M540 M782 M904 M905 P433 P517
P518 P617 P922; R04592-K R04592-M R04592-T R10186-K R10186-M R10186-T
- [07] D011 D760 K0 K6 K640 L9 L943 M280 M320 M412 M431 M511 M520 M530
M540 M782 M904 M905 M910 P433 P517 P518 P617 P922; R00526-K R00526-M
R00526-T R15927-K R15927-M R15927-T
- [08] K0 K7 K710 K799 M280 M313 M321 M332 M343 M383 M391 M416 M431 M620
M782 M904 M905 M910 P433 P517 P518 P617 P922; R00096-K R00096-M
R00096-T
- [09] D011 D019 D160 H4 H402 H422 H8 K0 L8 L814 L821 L833 M280 M320
M412 M431 M511 M520 M530 M540 M782 M904 M905 M910 P433 P517 P518 P617
P922; R01436-K R01436-M R01436-T R18215-K R18215-M R18215-T
- [10] A426 A980 C106 C107 C108 C720 C730 C801 C802 C803 C807 M411 M417
M431 M782 M904 M905 P433 P517 P518 P617 P922; R19253-K R19253-M
R19253-T
- [11] C107 C108 C520 C720 C801 C802 C803 C804 C807 M411 M417 M431 M782
M904 M905 P433 P517 P518 P617 P922; R07294-K R07294-M R07294-T
- [12] H1 H100 H181 H4 H498 H9 J0 J014 J1 J172 J3 J372 M280 M311 M312
M313 M321 M332 M342 M343 M349 M381 M393 M416 M431 M620 M782 M904 M905
M910 P433 P517 P518 P617 P922; R00297-K R00297-M R00297-T
- [13] C107 F011 F511 H2 H211 H3 H321 K0 K6 K610 K699 M280 M320 M413
M431 M510 M521 M530 M540 M782 M904 M905 P433 P517 P518 P617 P922;
RA717O-K RA717O-M RA717O-T
- [14] D011 D019 D160 H4 H401 H421 H8 K0 K7 K710 L8 L814 L821 L833 M280
M320 M412 M431 M511 M520 M530 M540 M782 M904 M905 P433 P517 P518 P617
P922; R03026-K R03026-M R03026-T
- [15] A111 A940 C107 C108 C520 C730 C801 C802 C803 C804 C807 M411 M431
M782 M904 M905 M910 P433 P517 P518 P617 P922; R01697-K R01697-M
R01697-T
- [16] C116 H1 H100 H181 J0 J014 J1 J172 J3 J372 K0 K3 K352 M280 M311
M312 M314 M321 M332 M342 M343 M349 M381 M393 M416 M431 M620 M782 M904
M905 P433 P517 P518 P617 P922; R19473-K R19473-M R19473-T
- [17] C107 F011 F013 F015 F511 H2 H211 H3 H321 K0 K6 K610 K699 M210
M211 M240 M282 M320 M413 M431 M510 M521 M530 M540 M782 M904 M905 P433
P517 P518 P617 P922; RA717P-K RA717P-M RA717P-T
- [18] K0 K6 K620 L2 L250 M280 M320 M416 M431 M620 M782 M904 M905 M910
P433 P517 P518 P617 P922; R00450-K R00450-M R00450-T R09364-K R09364-M
R09364-T
- [19] K0 L2 L260 M210 M211 M271 M281 M320 M416 M431 M620 M782 M904 M905
P433 P517 P518 P617 P922; RA01F2-K RA01F2-M RA01F2-T
- [20] H1 H102 H181 J0 J011 J1 J171 K0 L2 L250 M210 M211 M273 M281 M314

M321 M332 M343 M349 M381 M391 M416 M431 M620 M782 M904 M905 P433 P517
P518 P617 P922; RA1BII-K RA1BII-M RA1BII-T

- [21] H1 H100 H181 J0 J011 J1 J171 K0 L2 L250 M210 M211 M273 M282 M314
M321 M332 M343 M349 M381 M391 M416 M431 M620 M782 M904 M905 P433 P517
P518 P617 P922; RA2P3C-K RA2P3C-M RA2P3C-T

- [22] D011 D013 D670 G010 G100 H1 H181 H2 H201 H4 H401 H481 H8 J0 J011
J2 J221 M210 M211 M273 M281 M312 M321 M332 M343 M371 M391 M412 M431
M511 M520 M531 M540 M782 M904 M905 M910 P433 P517 P518 P617 P922;
R00052-K R00052-M R00052-T

- [23] F011 F012 F013 F423 G031 G360 H1 H181 H2 H201 H7 H720 M1 M116
M210 M211 M212 M240 M273 M281 M320 M413 M431 M510 M521 M531 M540 M782
M904 M905 P433 P517 P518 P617 P922; RA2HIU-K RA2HIU-M RA2HIU-T

- [24] G012 G100 H1 H102 H181 H4 H402 H441 H481 H8 M210 M211 M273 M281
M312 M321 M332 M343 M373 M391 M414 M431 M510 M520 M531 M540 M782 M904
M905 M910 P433 P517 P518 P617 P922; R00184-K R00184-M R00184-T
R10162-K R10162-M R10162-T

- [25] H1 H100 H181 J0 J011 J1 J171 K0 L2 L250 L3 L310 L320 L399 M280
M314 M321 M332 M343 M349 M381 M391 M416 M431 M620 M782 M904 M905 P433
P517 P518 P617 P922; R21205-K R21205-M R21205-T

- [26] G015 G100 H1 H102 H181 H4 H403 H442 H481 H8 M210 M211 M273 M281
M312 M321 M332 M343 M373 M391 M414 M431 M510 M520 M531 M540 M782 M904
M905 M910 P433 P517 P518 P617 P922; R00048-K R00048-M R00048-T
R14840-K R14840-M R14840-T

- [27] H1 H100 H181 J0 J011 J1 J171 K0 L2 L250 L3 L310 L320 L399 M280
M313 M321 M332 M343 M349 M381 M391 M416 M431 M620 M782 M904 M905 P433
P517 P518 P617 P922; R22964-K R22964-M R22964-T

- [35] G030 G553 H1 H102 H181 M210 M211 M273 M281 M313 M321 M331 M342
M373 M391 M415 M431 M510 M520 M530 M541 M782 M904 M905 P433 P517 P922;
R12281-K R12281-M R12281-T

- [36] F014 F431 G010 G100 H4 H401 H481 H8 J0 J011 J3 J371 M210 M212
M273 M281 M311 M312 M321 M332 M342 M343 M371 M373 M391 M413 M431 M510
M521 M531 M540 M782 M904 M905 P433 P517 P922; R04177-K R04177-M
R04177-T

MC - B04-G01 B04-H02A B04-H02D B04-H02J B04-H02P B04-H06B B04-L03D B05-A03A
B05-C02 B05-C03 B06-A02 B06-D04 B06-D06 B07-D03 B07-D04C B07-D08
B07-D12 B10-A03 B10-A13A B10-A17 B10-B02D B10-B03B B10-B04B B10-E04C
B14-G02 B14-J02B1 B14-J05B B14-L06 B14-N03

PA - (YONG-N) YONG GUANG PHARM CO LTD
- (YONG-N) YONGGUANG PHARMACY CO LTD

PN - W00224191 A1 20020328 DW200239
AU7503500 A 20020402 DW200252
CN1390124 A 20030108 DW200342

PR - W02000CN00286 20000920

XIC - A61K-031/198; A61K-031/185

AB - NOVELTY :
Drug composition comprises nitric oxide synthase (NOS) substrate
and/or NO donor, or immune NOS-inducing inhibitors and/or immune NOS
activity inhibitors and a carrier or excipient.

- DETAILED DESCRIPTION :
AN INDEPENDENT CLAIM is included for a commercial kit containing the
drug composition and materials describing the use of the composition.

- ACTIVITY :

Ophthalmological.**- MECHANISM OF ACTION :**

NOS substrate; NO donor; Immune NOS-inducing inhibitor; Immune NOS activity inhibitor.

- USE :

Used for treating myopia.

- PHARMACEUTICALS :

Preferred Composition: The NOS substrate comprises

4-phenyl-3-N-oxyoxadiazolecarbonitrile, arginine, canavanine, Nalpha -acylated arginine or their salts or esters, particularly L-arginine, L-canavanine or Nalpha -acyl-L-arginine, especially Nalpha -benzoyl-L-arginine ethyl ester, di-O-(Nalpha -L-benzoyl-L-arginine) glycol, tri-O-(Nalpha -benzoyl-L-arginine ethyl ester) glycerine, or L-arginine, L-canavanine or Nalpha -benzoyl-L-arginine ethyl ester. The NO donor comprises minoxidil, hydralazine, nitroglycerine, isosorbide or its ester, nitroprusside, nitrite salt, glutathione derivative and N-nitropyrzazole derivative, particularly minoxidil, hydralazine, nitroglycerine, isosorbide nitrate, nitroprusside, sodium nitrite, glutathione, 5-nitrosoglutathione, N-nitropyrzazole, 3,5-dimethyl-N-nitropyrzazole or 3-methyl-N-nitropyrzazole.

The immune NOS-inducing inhibitor comprises polyamine, calcium antagonist, platelet-deriving growth factor, platelet-activating factor antagonist, tumor-necrosis factor antibody, interleukin, protein kinase inhibitor or tyrosine kinase inhibitor, particularly argino-aldehyde, dihydropyrimidine, omega -(N,N'-diethylamino)-n-alkyl trimethylbenzoate, platelet-deriving growth factor, platelet-activating factor antagonist, tumor-necrosis factor antibody, interleukins-4, 8, 10, 13 and 1ra, protein kinase inhibitor or lukelucmeng (sic).

The immune NOS-inducing inhibitor comprises L-arginine analogs, methylene blue, aminoguanidine, S-methylisothiouraea, particularly NG-methyl-L-arginine, NG-amino-hemoarginine, NG-amino-L-arginine, NG-nitro-L-arginine, dimethylarginine, methylene blue, aminoguanidine or S-methylisothiouraea.

The composition also contains anticholinergic drugs, cycloplegic drugs and/or sympathomimetic drugs. The anticholinergics comprise atropine or piroheptine. The cycloplegics comprise cyclopentamine or tropicamide, and the sympathomimetics comprise phenylephrine or adrenaline.

- ADMINISTRATION :

Administration is oral or non-oral, including with eye drops, e.g. at 0.1-20 mg/kg, 1-6 times daily.

- SPECIFIC COMPOUNDS :

The compounds comprise di-O-(Nalpha -benzoyl-L-arginine)glycol or tri-O-(Nalpha -benzoyl-L-arginine)glycerine.

- EXAMPLE :

Eye drops were formulated from 0.5 g L-arginine, 0.1 g sodium dihydrogen phosphate dihydrate, 0.9 g sodium chloride and water to 100 ml, with pH adjusted to 7.

DN - AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI
GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT TZ UA UG US UZ VN YU ZA ZW
ICAI- A61K31/198
ICCI- A61K31/185
INW - CHENG T T S; CHIOU G C Y; QIU C; ZHENG T
IW - DRUG COMPOSITION TREAT MYOPIA CONTAIN NITRIC OXIDE SYNTHASE SUBSTRATE
DONOR IMMUNE INDUCE INHIBIT ACTIVE ARGININE DERIVATIVE
IWW - DRUG COMPOSITION TREAT MYOPIA CONTAIN NITRIC OXIDE SYNTHASE SUBSTRATE
DONOR IMMUNE INDUCE INHIBIT ACTIVE ARGININE DERIVATIVE
NC - 89
NPN - 3
OPD - 2000-09-20
PAW - (YONG-N) YONG GUANG PHARM CO LTD
- (YONG-N) YONGGUANG PHARMACY CO LTD
PD - 2002-03-28
RRL - 00996
TI - Drug composition for treating myopia contains nitric oxide synthase
substrate and/or nitric oxide donor, or immune nitric oxide inducing
inhibitors and/or immune nitric oxide synthase activity inhibitors of
arginine derivatives